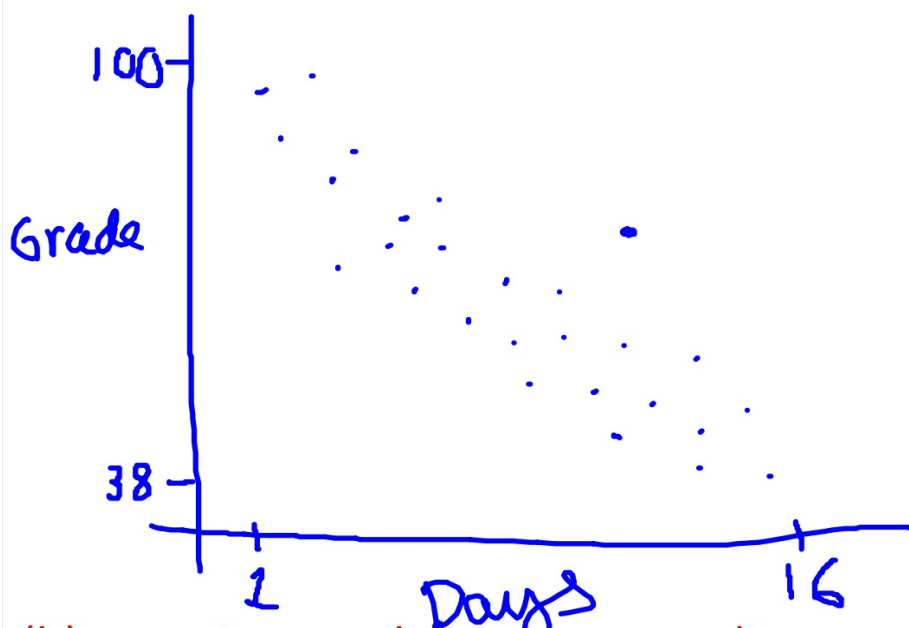


Days without HW done (X) vs. Final course grade (Y)

Days with X No HW	Final Y Grade	Days with No HW	Final Grade	Days with No HW	Final Grade
1	100	8	79	13	41
2	90	9	70	13	52
3	98	9	60	14	55
4	92	11	46	15	40
4	76	11	62	16	38
5	79	11	71	13	80
7	67	12	61		

(g) predict for 10 days w/o HW

(a) scatterplot:



(b) negative, moderately strong, linear

(c) Yes. At (13, 80)

(d) $\hat{y} = 100.535 - 3.611(x)$ $r = -0.867$

(e) Yes, the correlation agrees. I described the plot as negative and moderately strong, and the correlation is negative and moderately strong.

(f) For every 1 day without HW, the final grade decreases by 3.611 points.

$$\frac{-3.611}{1} = \frac{y}{x}$$

(g) $\hat{y} = 100.535 - 3.611(10)$
 $\hat{y} = 64.42\%$

(h) yes, it is a good prediction, because the value of 10 is within our x-range of data.